

Maximum Lengths of North American Snakes

Jeff Boundy
Museum of Natural Science
Louisiana State University
Baton Rouge, LA 70803

The following list provides maximum lengths for species and subspecies of North American snakes, that is, those taxa for which specimens are known from the continental United States or Canada. Total lengths are given in millimeters, and metric conversions are based on 1" = 25.4 mm. In each case an effort was made to trace records to their original source or earliest citation. Maximum lengths provided by Wright and Wright (1957) often appear to be estimations, and such lengths, unless reported elsewhere, have been ignored. Maximum sizes for certain taxa are unknown or have gone unreported, and in some such instances I have included the largest specimen known to me. In cases for which the particular subspecies for a record is unknown the length follows the species name. The locality from which specimens were obtained is provided when known.

A report of new records is solicited; these may be published in the *Bulletin of the Chicago Herpetological Society* or

Herpetological Review. Such reports should be substantiated with a voucher specimen or a photograph of the specimen with a scale of reference (i.e., a hand, yardstick, etc.).

State or province abbreviations for Canada and Mexico: BCA (Baja California), BCO (British Columbia), BCS (Baja California Sur), CHI (Chihuahua), NSC (Nova Scotia), ONT (Ontario), SAS (Saskatchewan), SLP (San Luis Potosi), and SON (Sonora). Museum acronyms: CAS (California Academy of Science, San Francisco), FSM (Florida State Museum, Gainesville), KU (University of Kansas, Lawrence), LSUMZ (Louisiana State University Museum of Natural Science, Baton Rouge), MVZ (Museum of Vertebrate Zoology, Berkeley), UCSB (University of California, Santa Barbara).

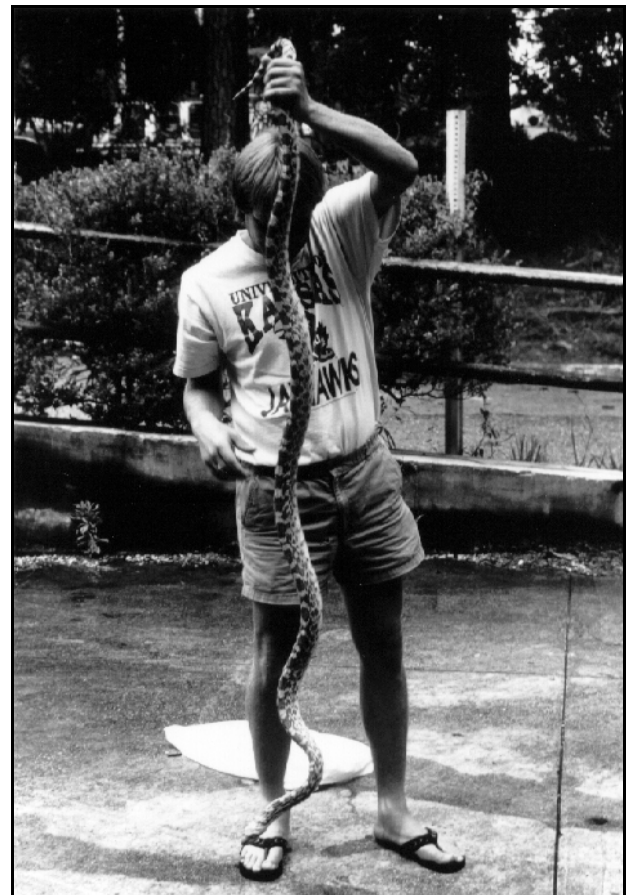
I am grateful to Douglas Rossman for reviewing this manuscript, noting that some of the taxonomic arrangements presented do not reflect his views.

Species or subspecies	Total length (mm)	Source	Locality
<i>Leptotyphlops dulcis</i> (Texas blind snake)			
<i>L. d. dulcis</i>	273	Conant, 1958	
<i>L. d. dissectus</i>	293	Punzo, 1974	Cochise County, AZ
<i>Leptotyphlops humilis</i> (western blind snake)			
<i>L. h. humilis</i>	315	Klauber, 1940a	
<i>L. h. cahuilae</i>	389	Klauber, 1940a	Yuma County, AZ
<i>L. h. segregus</i>	339	Punzo, 1974	Cochise County, AZ
<i>L. h. utahensis</i>	322	Klauber, 1940a	Washington County, UT
<i>Charina bottae</i> (rubber boa)			
<i>C. b. bottae</i>	838	Hoyer, 1974	
<i>C. b. umbratica</i>	467	Erwin, 1974	
<i>Lichanura trivirgata</i> (rosy boa)			
<i>L. t. trivirgata</i>	—		
<i>L. t. myriolepis</i>	951	Klauber, 1943	southwest CA, northwest BCA
<i>L. t. roseofusca</i>	1118	Wright and Wright, 1957	
<i>Arizona elegans</i> (glossy snake)			
<i>A. e. elegans</i>	1778	Behler and King, 1979	
<i>A. e. arenicola</i>	1420	Conant and Collins, 1991	
<i>A. e. arenicola</i>	1386	Klauber, 1946	Atascosa County, TX
<i>A. e. candida</i>	991	JB ⁽¹⁾	San Bernardino County, CA
<i>A. e. eburnata</i>	1163	Klauber, 1943	San Diego County, CA
<i>A. e. noctivaga</i>	1055	JB ⁽²⁾	Pima County, AZ
<i>A. e. occidentalis</i>	1132	Klauber, 1946	San Diego County, CA
<i>A. e. philipi</i>	903	Klauber, 1946	El Paso County, TX
<i>Bogertophis rosaliae</i> (Baja rat snake)	1510	Hunsaker, 1965	Guadalupe Canyon, BCA
<i>Bogertophis subocularis</i> (Trans-Pecos rat snake)			
<i>B. s. subocularis</i>	~ 1680	Dowling, 1957	Terrell County, TX
<i>Carphophis amoenus</i> (worm snake)			
<i>C. a. amoenus</i>	342	Klemens, 1993	CT
<i>C. a. helenae</i>	324	Conant, 1938	OH

Species or subspecies	Total length (mm)	Source	Locality
<i>C. a. vermis</i>	391	Conant and Collins, 1991	
<i>Cemophora coccinea</i> (scarlet snake)			
<i>C. c. coccinea</i>	823	Neill, 1951 ⁽³⁾	Marion County, FL
<i>C. c. copei</i>	665	Brandner, 1981	Burlington County, NJ
<i>C. c. lineri</i>	660	Tennant, 1984	
<i>Chilomeniscus cinctus</i> (banded sand snake)	285	Hensley, 1950	Pima County, AZ
<i>Chionactis occipitalis</i> (western shovel-nosed snake)			
<i>C. o. occipitalis</i>	369	Klauber, 1951	
<i>C. o. annulata</i>	447+	Funk, 1967	Yuma County, AZ
<i>C. o. klauberi</i>	339	Klauber, 1951	
<i>C. o. talpina</i>	340	Klauber, 1951	Esmeralda County, NV
<i>Chionactis palarostris</i> (Sonoran shovel-nosed snake)			
<i>C. p. organica</i>	432	Stebbins, 1985	
<i>Chionactis saxatilis</i> (Gila Mountains shovel-nosed snake)	348	Funk, 1967	Yuma County, AZ
<i>Clonophis kirtlandi</i> (Kirtland's snake)	622	Conant, 1975	
<i>Coluber constrictor</i> (American racer)			
<i>C. c. constrictor</i>	1905	Auffenburg, 1955	Hartford County, CT
<i>C. c. anthicus</i>	1778	Conant, 1958	
<i>C. c. etheridgei</i>	1216	Wilson, 1970b	Polk County, TX
<i>C. c. flaviventris</i>	1778	Ortenburger, 1928	
<i>C. c. foxi</i>	1829	Conant, 1958	



A 50" copperhead (*Agkistrodon contortrix*) in the Louisiana State University Museum of Natural Science collection, killed in Zachary, East Baton Rouge Parish, Louisiana, April 1983.

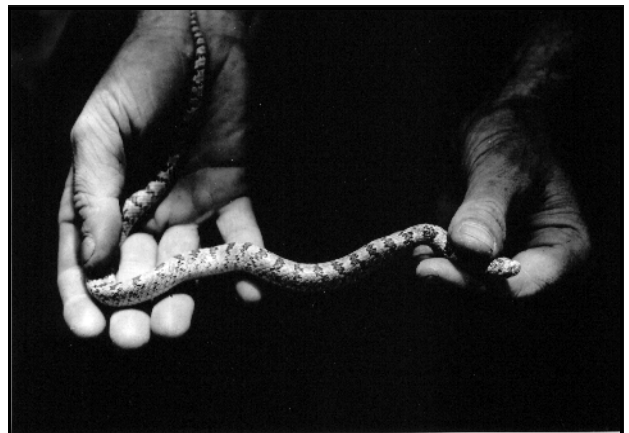


Dr. Joseph B. Slowinski with a 7'2" bullsnake (*Pituophis catenifer*) collected in Val Verde County, Texas, June 1993, by N. Nevid and A. Meier.

Species or subspecies	Total length (mm)	Source	Locality
<i>C. c. helvigularis</i>	—		
<i>C. c. latrunculus</i>	—		
<i>C. c. mormon</i>	1099	KU 16712 ⁽⁴⁾	Bannock County, ID
<i>C. c. oaxaca</i>	1016	Conant, 1958	
<i>C. c. paludicola</i>	1689	Auffenburg, 1955	
<i>C. c. priapus</i>	1651	Minton, 1972	Floyd County, IN
<i>Coniophanes imperialis</i> (black-striped snake)			
<i>C. i. imperialis</i>	508	Conant, 1958	
<i>Contia tenuis</i> (sharp-tailed snake)	483	Behler and King, 1979	
<i>Diadophis punctatus</i> (ringneck snake)			
<i>D. p. punctatus</i>	482	Marion and Nowak, 1985	Jefferson County, AL
<i>D. p. acricus</i>	289	Paulson, 1968	Monroe County, FL
<i>D. p. amabilis</i>	532	Boundy and Balgooyen, 1988	Santa Clara County, CA
<i>D. p. arnyi</i>	477	Powell et al., 1990	Holt County, MO
<i>D. p. edwardsi</i>	706	Freeman and Freeman, 1982	Monroe County, TN
<i>D. p. modestus</i>	610	Cunningham, 1959	
<i>D. p. occidentalis</i>	~600	Darling, 1947	OR
<i>D. p. pulchellus</i>	475	Blanchard, 1942	Mariposa County, CA
<i>D. p. regalis</i>	857	Boundy and Balgooyen, 1988	Cochise County, AZ
<i>D. p. similis</i>	524	Blanchard, 1942	Sa. S. Pedro Martir, BCA
<i>D. p. stictogenys</i>	457	Tennant, 1984	
<i>D. p. vandenburghi</i>	578	UCSB ⁽⁵⁾	Los Angeles County, CA
<i>Drymarchon corais</i> (indigo snake)			
<i>D. c. couperi</i>	2629	Conant, 1958	
<i>D. c. erebennus</i>	2546	Conant, 1975	
<i>Drymobius margaritiferus</i> (speckled racer)			
<i>D. m. margaritiferus</i>	1339	Werler, 1949	Mexico
<i>Elaphe bairdi</i> (Baird's rat snake)	1575	Brecke et al., 1976	Val Verde County, TX
<i>Elaphe guttata</i> (corn snake)			
<i>E. g. guttata</i>	1829+	Ditmars, 1936	SC
<i>E. g. emoryi</i>	1530	Conant, 1975	
<i>E. g. meahllmorum</i>	—		
<i>Elaphe obsoleta</i> (common rat snake)			
<i>E. o. obsoleta</i>	2565	Ditmars, 1931	Sullivan County, NY



A 45" Sierra garter snake (*Thamnophis couchii*) photographed September 1991 in Kennedy Meadow, Tulare County, California.



Record length Chihuahuan hook-nosed snake (*Gyalopion canum*) photographed in Big Bend National Park, Brewster County, Texas, in June 1981 by J. Boundy and W. Meyers.

Species or subspecies	Total length (mm)	Source	Locality
<i>E. o. lindheimeri</i>	2184	Thomas and Friloux, 1983	Jefferson Parish, LA
<i>E. o. quadrivittata</i>	2210	Conant and Collins, 1991	
<i>E. o. rossalleni</i>	2210	Conant, 1958	
<i>E. o. spiloides</i>	2140	Conant, 1975	
<i>Elaphe vulpina</i> (fox snake)	1791	Conant, 1975	
<i>E. v. vulpina</i>	1550	Oldfield and Moriarty, 1994	Goodhue County, MN
<i>E. v. gloydi</i>	1705	Conant, 1965	Erie County, OH
<i>Farancia abacura</i> (mud snake)			
<i>F. a. abacura</i>	2070	Conant and Collins, 1991	
<i>F. a. reinwardtii</i>	1880	Guidry, 1953	southeast TX
<i>Farancia erythrogramma</i> (rainbow snake)			
<i>F. e. erythrogramma</i>	1733	Mitchell, 1994	VA
<i>F. e. seminola</i>	1312	Neill, 1964	Glades County, FL
<i>Ficimia streckeri</i> (South Texas hook-nosed snake)	483	Taylor, 1949	Xilitla, SLP
<i>Gyalopion canum</i> (Chihuahuan hook-nosed snake)	384	Boundy and Balgooyen, 1988	Brewster County, TX
<i>G. quadrangulare</i> (thornscrub hook-nosed snake)	~354	Hardy, 1975	
<i>Heterodon nasicus</i> (western hognose snake)	1006	Conant and Collins, 1991	
<i>H. n. nasicus</i>	918	Collins, 1993	Morton County, KS
<i>H. n. gloydi</i>	—		
<i>H. n. kennerlyi</i>	656	Werler, 1951	Starr County, TX
<i>Heterodon platirhinos</i> (eastern hognose snake)	1155	Platt, 1969 ⁽⁶⁾	Beaver County, OK
<i>Heterodon simus</i> (southern hognose snake)	610	Conant, 1958	
<i>Hypsiglena ochrorhyncha</i> (spotted night snake)			
<i>H. o. chlorophaea</i>	598	Boundy and Balgooyen, 1988	Ortiz, SON
<i>H. o. deserticola</i>	642	Tanner, 1944	
<i>H. o. jani</i>	581	Tanner, 1944	San Luis Potosí, SLP
<i>H. o. klauberi</i>	433	Boundy and Balgooyen, 1988	San Diego County, CA
<i>H. o. lorealus</i>	502	Tanner, 1944	
<i>H. o. nuchalata</i>	~474	JB ⁽⁷⁾	Kern County, CA
<i>Lampropeltis alterna</i> (gray-banded kingsnake)	1467	Tennant, 1984	Edwards County, TX
<i>Lampropeltis calligaster</i> (yellow-bellied kingsnake)			
<i>L. c. calligaster</i>	1422	Tennant, 1984	Dallas County, TX
<i>L. c. occipitolineata</i>	—		
<i>L. c. rhombomaculata</i>	1194	Conant, 1975	
<i>Lampropeltis getula</i> (common kingsnake)			
<i>L. g. getula</i>	2083	Conant, 1958	
<i>L. g. californiae</i>	1422	JB ⁽⁸⁾	San Benito County, CA
<i>L. g. floridana</i>	1956	Wright and Wright, 1957	
<i>L. g. holbrooki</i>	1829	Conant, 1975	
<i>L. g. nigra</i>	1473	Conant, 1975	
<i>L. g. nigrita</i>	1170	Neitman, 1980	
<i>L. g. splendida</i>	1524	Wright and Wright, 1957	
<i>L. g. sticticeps</i>	1765	Lazell and Musick, 1973	Hyde County, NC
<i>Lampropeltis pyromelana</i> (Sonoran mountain kingsnake)			
<i>L. p. pyromelana</i>	1088	Boundy and Balgooyen, 1988	Pima County, AZ
<i>L. p. infralabialis</i>	805	Blanchard, 1921	UT
<i>L. p. woodini</i>	1067	Blanchard, 1921	Cochise County, AZ
<i>Lampropeltis triangulum</i> (milk snake)			
<i>L. t. triangulum</i>	1321	Conant, 1975	
<i>L. t. amaura</i>	787	Conant, 1975	

Species or subspecies	Total length (mm)	Source	Locality
<i>L. t. annulata</i>	1054	Tennant, 1984	Live Oak County, TX
<i>L. t. celaeops</i>	641	Tennant, 1984	
<i>L. t. elapsoides</i>	686	Conant, 1958	
<i>L. t. gentilis</i>	914	Wright and Wright, 1957	
<i>L. t. multistriata</i>	850	Williams, 1978	
<i>L. t. sypila</i>	1067	Conant, 1958	
<i>L. t. taylori</i>	719	Williams, 1978	
<i>Lampropeltis zonata</i> (California mountain kingsnake)			
<i>L. z. zonata</i>	973	CAS 36062	Siskiyou County, CA
<i>L. z. multicincta</i>	1175	McKeown, 1991	Fresno County, CA
<i>L. z. multifasciata</i>	903	UCSB 16066	Ventura County, CA
<i>L. z. parvirubra</i>	919	Blanchard, 1921	Los Angeles County, CA
<i>L. z. pulchra</i>	646	Zweifel, 1952	Los Angeles County, CA
<i>Leptodeira septentrionalis</i> (northern cat-eyed snake)			
<i>L. s. septentrionalis</i>	985	Duellman, 1958	
<i>Masticophis bilineatus</i> (Sonoran whipsnake)			
	~ 1700	Ortenburger, 1928	Cochise County, AZ
<i>Masticophis flagellum</i> (coachwhip)			
<i>M. f. flagellum</i>	~ 2591	Barbour, 1919	Broward County, FL
<i>M. f. cingulum</i>	1850	Wilson, 1970a	
<i>M. f. fuliginosus</i>	1845+	Ortenburger, 1928	Miraflores, BCS
<i>M. f. lineatulus</i>	1650	Wilson, 1970a	
<i>M. f. piceus</i>	1728+	Ortenburger, 1928	
<i>M. f. ruddocki</i>	1710	Brattstrom and Warren, 1953	
<i>M. f. testaceus</i>	2032	Conant, 1958	
<i>Masticophis lateralis</i> (striped racer)			
<i>M. l. lateralis</i>	1524	Wright and Wright, 1957	
<i>M. l. euryxanthus</i>	—		
<i>Masticophis schotti</i> (Schott's whipsnake)			
<i>M. s. schotti</i>	1676	Conant, 1958	
<i>M. s. ruthveni</i>	1680	Ortenburger, 1923	Cameron County, TX
<i>Masticophis taeniatus</i> (striped whipsnake)			
<i>M. t. taeniatus</i>	1652	Boudy and Balgooyen, 1988	Siskiyou County, CA
<i>M. t. ornatus</i>	1829	Conant, 1958	
<i>Nerodia clarkii</i> (salt marsh snake)			
<i>N. c. clarkii</i>	914	Conant, 1958	
<i>N. c. compressicauda</i>	933	Conant, 1958	
<i>N. c. taeniata</i>	609	Conant and Collins, 1991	
<i>Nerodia cyclopion</i> (Mississippi green water snake)			
	1295	Tennant, 1984	Galveston County, TX
<i>Nerodia erythrogaster</i> (plain-bellied water snake)			
<i>N. e. erythrogaster</i>	1575	Conant, 1958	
<i>N. e. flavigaster</i>	1499	Conant and Collins, 1991	
<i>N. e. neglecta</i>	1415	Minton, 1972	IN
<i>N. e. transversa</i>	1473	Conant, 1958	
<i>Nerodia fasciata</i> (banded water snake)			
<i>N. f. fasciata</i>	1524	Conant, 1958	
<i>N. f. confluens</i>	1145	Conant, 1958	
<i>N. f. pictiventris</i>	1588	Conant, 1958	
<i>Nerodia floridana</i> (Florida green water snake)			
	1880	Conant, 1958	
<i>Nerodia harteri</i> (Brazos water snake)			
	902	Trapido, 1941	Palo Pinto County, TX
<i>Nerodia paucimaculata</i> (Concho water snake)			
	—		

Species or subspecies	Total length (mm)	Source	Locality
<i>Nerodia rhombifer</i> (diamondback water snake)			
<i>N. r. rhombifer</i>	~ 1753	Betz, 1963	
<i>Nerodia sipedon</i> (common water snake)			
<i>N. s. sipedon</i>	1405	Conant and Collins, 1991	
<i>N. s. insularum</i>	1264	Thomas, 1949	Lake Erie, ONT
<i>N. s. pleuralis</i>	1500	Conant and Collins, 1991	
<i>N. s. williamengelsi</i>	1224	Conant and Lazell, 1973	Hyde County, NC
<i>Nerodia taxispilota</i> (brown water snake)	1766	Conant and Collins, 1991	
<i>Opheodrys aestivus</i> (rough green snake)			
<i>O. a. aestivus</i>	947	Mitchell, 1994	VA
<i>O. a. carinatus</i>	1160	Allen and Slatten, 1945	Monroe County, FL
<i>O. a. majalis</i>	877	Collins, 1982	Elk County, KS
<i>Opheodrys vernalis</i> (smooth green snake)			
<i>O. v. vernalis</i>	797	Lazell, 1976	Dukes County, MA
<i>O. v. blanchardi</i>	565	Smith, 1961	IL
<i>O. v. borealis</i>	449	Gilhen, 1984	NSC
<i>Oxybelis aeneus</i> (brown vine snake)	~ 1974	Keiser, 1974	Corn Is., Nicaragua
<i>Phyllorhynchus browni</i> (saddled leaf-nosed snake)			
<i>P. b. browni</i>	508	Stebbins, 1966	
<i>P. b. lucidus</i>	—		
<i>Phyllorhynchus decurtatus</i> (spotted leaf-nosed snake)			
<i>P. d. nubilus</i>	408	Klauber, 1940c	
<i>P. d. perkinsi</i>	510	Klauber, 1943	San Diego County, CA
<i>Pituophis catenifer</i> (gopher snake)			
<i>P. c. catenifer</i>	1905	Boundy and Balgooyen, 1988	Merced County, CA
<i>P. c. affinis</i>	2337	Conant, 1975	
<i>P. c. annectens</i>	1862	Klauber, 1947	
<i>P. c. deserticola</i>	1854	Klauber, 1947	Coconino County, AZ
<i>P. c. pumilis</i>	813	Behler and King, 1979	
<i>P. c. sayi</i>	2743	Dixon, 1952	Brown County, TX
<i>Pituophis melanoleucus</i> (pine snake)			
<i>P. m. melanoleucus</i>	2108	Conant, 1958	
<i>P. m. lodingi</i>	1930	Conant and Collins, 1991	
<i>P. m. mugitus</i>	2286	Wright and Wright, 1957	
<i>P. m. ruthveni</i>	1784	Conant, 1975	
<i>Regina alleni</i> (striped swamp snake)	654	Tschambers, 1950	Okeechobee County, FL
<i>Regina grahamii</i> (Graham's crayfish snake)	1194	Wright and Wright, 1957	
<i>Regina rigida</i> (glossy crayfish snake)			
<i>R. r. rigida</i>	794	Palmer, 1959	New Hanover County, NC
<i>R. r. deltae</i>	798	Shoop, 1959	Orleans Parish, LA
<i>R. r. sinicola</i>	660	Huheey, 1959	Cameron Parish, LA
<i>Regina septemvittata</i> (queen snake)	922	Triplehorn, 1949	Defiance County, OH
<i>Rhadinaea flavilata</i> (pine woods snake)	402	Allen, 1939	Marion County, FL
<i>Rhinocheilus lecontei</i> (long-nosed snake)			
<i>R. l. lecontei</i>	892+	Klauber, 1941	
<i>R. l. tessellatus</i>	1041	Wright and Wright, 1957	
<i>Salvadora deserticola</i> (Big Bend patch-nosed snake)	1143	Tennant, 1984	
<i>Salvadora grahamiae</i> (eastern patch-nosed snake)			
<i>S. g. grahamiae</i>	953	Conant, 1975	

Species or subspecies	Total length (mm)	Source	Locality
<i>S. g. lineata</i>	1194	Conant, 1958	
<i>Salvadora hexalepis</i> (western patch-nosed snake)			
<i>S. h. hexalepis</i>	1014	Wright and Wright, 1957	
<i>S. h. mohavensis</i>	1041	JB ⁽⁹⁾	Los Angeles County, CA
<i>S. h. virgultea</i>	1075	Bogert, 1945	Los Angeles County, CA
<i>Seminatrix pygaea</i> (black swamp snake)			
<i>S. p. pygaea</i>	426	Ditmars, 1936	Marion County, FL
<i>S. p. cyclas</i>	348	Neill, 1951	Broward County, FL
<i>S. p. paludis</i>	470	Palmer and Paul, 1963	New Hanover County, NC
<i>Senticolis triaspis</i> (green rat snake)			
<i>S. t. intermedia</i>	~ 1470	Dowling, 1960	
<i>Sonora semiannulata</i> (western ground snake)	483	Wright and Wright, 1957	
<i>Stilosoma extenuatum</i> (short-tailed snake)	655	Woolfenden, 1962	Hillsborough County, FL
<i>Storeria dekayi</i> (DeKay's snake)			
<i>S. d. dekayi</i>	492	Groves, 1970	Baltimore County, MD
<i>S. d. limnetes</i>	431	LSUMZ 43753	Cameron Parish, LA
<i>S. d. texana</i>	459	Conant and Collins, 1991	
<i>S. d. victa</i>	483	Conant, 1975	
<i>S. d. wrightorum</i>	527	Conant, 1975	
<i>Storeria occipitomaculata</i> (red-bellied snake)			
<i>S. o. occipitomaculata</i>	406	Wright and Wright, 1957	
<i>S. o. obscura</i>	278	Trapido, 1944	"Gulf Coast"
<i>S. o. pahasapae</i>	380	Baxter and Stone, 1985	
<i>Tantilla atriceps</i> (Coahuila black-headed snake)	230	Cole and Hardy, 1981	
<i>Tantilla coronata</i> (southeastern crowned snake)	330	Schmidt and Davis, 1941	
<i>Tantilla gracilis</i> (flat-headed snake)	249	Powell et al., 1982	Benton County, MO
<i>Tantilla hobartsmithi</i> (southwestern black-headed snake)	313	Cole and Hardy, 1981	Washington County, UT
<i>Tantilla nigriceps</i> (plains black-headed snake)	384	Boudny and Balgooyen, 1988	Cochise County, AZ
<i>Tantilla oolitica</i> (rim rock crowned snake)	292	Conant, 1975	
<i>Tantilla planiceps</i> (California black-headed snake)	386	Cole and Hardy, 1981	Alameda County, CA
<i>Tantilla relicta</i> (Florida crowned snake)			
<i>T. r. relicta</i>	229	Conant, 1975	
<i>T. r. neilli</i>	241	Conant, 1975	
<i>T. r. pamlica</i>	216	Conant, 1975	
<i>Tantilla rubra</i> (reddish black-headed snake)			
<i>T. r. cucullata</i>	654	Porras, 1982	Jeff Davis County, TX
<i>T. r. diabola</i>	578	Tennant, 1984	Val Verde County, TX
<i>Tantilla wilcoxi</i> (Chihuahuan black-headed snake)	356	Schmidt and Davis, 1941	
<i>Tantilla yaquia</i> (Yaqui black-headed snake)	325	Cole and Hardy, 1981	
<i>Thamnophis atratus</i> (aquatic garter snake)			
<i>T. a. atratus</i>	~ 1016	JB ⁽¹⁰⁾	Santa Clara County, CA
<i>T. a. aquaticus</i>	~ 875	MVZ 47999	Napa County, CA
<i>T. a. hydrophilus</i>	916	MVZ 19197	Siskiyou County, CA
<i>Thamnophis brachystoma</i> (short-headed garter snake)	559	Conant, 1958	
<i>Thamnophis butleri</i> (Butler's garter snake)	737	Minton, 1972	Howard County, IN
<i>Thamnophis couchii</i> (Sierra garter snake)	1062	MVZ 17441	Inyo County, CA

Species or subspecies	Total length (mm)	Source	Locality
<i>Thamnophis cyrtopsis</i> (black-necked garter snake)			
<i>T. c. cyrtopsis</i>	1070	Conant and Collins, 1991	
<i>T. c. ocellatus</i>	1092	Conant, 1975	
<i>Thamnophis elegans</i> (terrestrial garter snake)	1092	Stebbins, 1985	
<i>T. e. elegans</i>	813	Wright and Wright, 1957	
<i>T. e. arizonae</i>	1051	Gehlbach, 1965	Zuni Mountains region, NM
<i>T. e. biscutatus</i>	~1070	Nussbaum et al., 1983	
<i>T. e. nigrescens</i>	920	Hebard, 1950	King County, WA
<i>T. e. terrestris</i>	776	MVZ 18130	Alameda County, CA
<i>T. e. vagrans</i>	~970	Nussbaum et al., 1983	
<i>T. e. vascotanneri</i>	983	Tanner and Lowe, 1989	Emery County, UT
<i>Thamnophis eques</i> (Mexican garter snake)			
<i>T. e. megalops</i>	1120	Rosen and Schwalbe, 1988	SE AZ
<i>Thamnophis gigas</i> (giant garter snake)	1626	Stebbins, 1985 ⁽¹¹⁾	
<i>Thamnophis hammondi</i> (two-striped garter snake)	1068	MVZ 63696	Los Angeles County, CA
<i>Thamnophis marcianus</i> (checkered garter snake)			
<i>T. m. marcianus</i>	1088	Vial, 1957	Imperial County, CA
<i>Thamnophis ordinoides</i> (northwestern garter snake)	965	Stebbins, 1985	
<i>Thamnophis proximus</i> (western ribbon snake)	1268	Wright and Wright, 1957	
<i>T. p. proximus</i>	1075	Minton, 1972	IN
<i>T. p. diabolicus</i>	1232	Conant, 1975	
<i>T. p. orarius</i>	1232+	Rossman, 1963	Cameron County, TX
<i>T. p. rubrilineatus</i>	1219	Conant, 1975	
<i>Thamnophis radix</i> (plains garter snake)			
<i>T. r. radix</i>	845	Smith, 1949	Chariton County, MO
<i>T. r. haydeni</i>	1093	Nero, 1960	McLean, SAS
<i>Thamnophis rufipunctatus</i> (narrow-headed garter snake)	953	Boudny, 1994	Apache County, AZ
<i>Thamnophis sauritus</i> (common ribbon snake)			
<i>T. s. sauritus</i>	970	Mitchell, 1994	VA
<i>T. s. nitae</i>	~928	FSM 12150	Wakulla County, FL
<i>T. s. sackeni</i>	1018	Rossman, 1963	Dade County, FL
<i>T. s. septentrionalis</i>	862	Minton, 1972	IN
<i>Thamnophis sirtalis</i> (common garter snake)			
<i>T. s. sirtalis</i>	1372	Froom, 1972	Oak Ridges, ONT
<i>T. s. annectens</i>	1086	Tennant, 1984	Young County, TX
<i>T. s. concinnus</i>	1295	Wright and Wright, 1957	
<i>T. s. dorsalis</i>	1311	Conant, 1975	
<i>T. s. fitchi</i>	1276	Robinson, 1958	Fresno County, CA
<i>T. s. infernalis</i>	1060	MVZ 47724	San Mateo County, CA
<i>T. s. pallidulus</i>	1118	Hunter et al., 1992	ME
<i>T. s. parietalis</i>	1241	Conant, 1975	
<i>T. s. pickeringii</i>	1036	Hebard, 1950	King County, WA
<i>T. s. semifasciatus</i>	905	Smith, 1961	IL
<i>T. s. similis</i>	997	Conant, 1975	
<i>Trimorphodon biscutatus</i> (western lyre snake)			
<i>T. b. lambda</i>	1026	Klauber, 1940b	Pima County, AZ
<i>T. b. lyrophanes</i>	1055	Klauber, 1940b	
<i>T. b. wilkinsoni</i>	1041	Conant, 1975	
<i>Tropidoclonion lineatum</i> (lined snake)			
<i>T. l. lineatum</i>	438	Powell et al., 1990	Jackson County, MO
<i>T. l. annectens</i>	446	Collins, 1993	Sedgwick County, KS

Species or subspecies	Total length (mm)	Source	Locality
<i>T. l. texanum</i>	572	Tennant, 1984	Dallas County, TX
<i>Virginia striatula</i> (rough earth snake)	324	Conant, 1958	
<i>Virginia valeriae</i> (smooth earth snake)			
<i>V. v. valeriae</i>	337	Conant, 1975	
<i>V. v. elegans</i>	393	Lapasha and Powell, 1982	Jackson County, MO
<i>V. v. pulchra</i>	320	Richmond, 1954	PA
<i>Micruroides euryxanthus</i> (western coral snake)			
<i>M. e. euryxanthus</i>	615	Babb and Aitken, 1989	Pima County, AZ
<i>Micrurus fulvius</i> (harlequin coral snake)			
<i>M. f. fulvius</i>	1207	Neill, 1957	FL
<i>M. f. tener</i>	1213	Tennant, 1984	Brazoria County, TX
<i>Pelamis platurus</i> (yellow-bellied sea snake)	1143	Stebbins, 1985	
<i>Agkistrodon contortrix</i> (copperhead)			
<i>A. c. contortrix</i>	1321	Conant, 1958	LA
<i>A. c. laticinctus</i>	946	Tennant, 1984	Denton County, TX
<i>A. c. mokasen</i>	1346	Ditmars, 1929	Westchester County, NY
<i>A. c. phaeogaster</i>	1067	Fitch, 1960	Douglas County, KS
<i>A. c. pictigaster</i>	835	Conant, 1975	Terrell County, TX
<i>Agkistrodon piscivorus</i> (cottonmouth)			
<i>A. p. piscivorus</i>	1880	Conant, 1958	Dismal Swamp, NC-VA
<i>A. p. conanti</i>	1892	Conant, 1975	FL
<i>A. p. leucostoma</i>	1575	Gloyd and Conant, 1990	Yazoo County, MS
<i>Crotalus adamanteus</i> (eastern diamondback rattlesnake)	2515	Ditmars, 1936	central FL
<i>Crotalus atrox</i> (western diamondback rattlesnake)	2337	Klauber, 1956	Dallas County, TX
<i>Crotalus cerastes</i> (sidewinder)			
<i>C. c. cerastes</i>	637	Boundy and Balgooyen, 1988	San Bernardino County, CA
<i>C. c. cercobombus</i>	628	Klauber, 1956	
<i>C. c. laterorepens</i>	824	Klauber, 1956	
<i>Crotalus exsul</i> (red diamond rattlesnake)			
<i>C. e. ruber</i>	1625	Klauber, 1937	
<i>Crotalus horridus</i> (timber rattlesnake)			
<i>C. h. horridus</i>	1880	Ditmars, 1936	Berkshire County, MA
<i>C. h. atricaudatus</i>	1892	Klauber, 1956	Iberia Parish, LA
<i>Crotalus lepidus</i> (rock rattlesnake)			
<i>C. l. lepidus</i>	775	Tennant, 1984	Val Verde County, TX
<i>C. l. klauberi</i>	828	Klauber, 1952	Santa Barbara, CHI
<i>Crotalus mitchellii</i> (speckled rattlesnake)			
<i>C. m. pyrrhus</i>	1295	Klauber, 1936	
<i>C. m. stephensi</i>	943	Klauber, 1941	
<i>Crotalus molossus</i> (black-tailed rattlesnake)			
<i>C. m. molossus</i>	1321	Tennant, 1984	Kerr County, TX
<i>Crotalus pricei</i> (twin-spotted rattlesnake)			
<i>C. p. pricei</i>	640	Klauber, 1956	
<i>Crotalus scutulatus</i> (Mojave rattlesnake)			
<i>C. s. scutulatus</i>	1373	Tennant, 1984	Brewster County, TX
<i>Crotalus tigris</i> (tiger rattlesnake)	885	Klauber, 1956	
<i>Crotalus viridis</i> (western rattlesnake)			
<i>C. v. viridis</i>	1515	Klauber, 1937	

Species or subspecies	Total length (mm)	Source	Locality
<i>C. v. abyssus</i>	1025	Durham, 1956	Coconino County, AZ
<i>C. v. cerberus</i>	1032	Klauber, 1949a	
<i>C. v. decolor</i>	735	Klauber, 1937	
<i>C. v. helleri</i>	1371	Klauber, 1937	southern CA
<i>C. v. lutosus</i>	1346	Klauber, 1956	
<i>C. v. nuntius</i>	732	Klauber, 1935	Navajo County, AZ
<i>C. v. oreganus</i>	1626	Klauber, 1956	Penticton, BCO
<i>Crotalus willardi</i> (ridge-nosed rattlesnake)			
<i>C. w. willardi</i>	593	Klauber, 1949b	Cochise County, AZ
<i>C. w. obscurus</i>	641	Harris and Simmons, 1976	Hidalgo County, NM
<i>Sistrurus catenatus</i> (massasauga)			
<i>S. c. catenatus</i>	1003	Conant, 1975	
<i>S. c. edwardsii</i>	530	Gloyd, 1955	Cochise County, AZ
<i>S. c. tergeminus</i>	883	Conant, 1975	
<i>Sistrurus miliarius</i> (pigmy rattlesnake)			
<i>S. m. miliarius</i>	665	LSUMZ 40587	Richland County, SC
<i>S. m. barbouri</i>	803	Conant and Collins, 1991	
<i>S. m. streckeri</i>	638	Gloyd, 1940	Craighead County, AR

Notes:

1. A DOR measured by me 26 May 1979, NW of Adelanto.
2. A DOR collected 5 June 1979, 12 mi NE of Sells, now in CAS.
3. Conant and Collins (1991) give 828 mm and 32.5"; the 32.5" converts to 824.5 mm, and may be the same as Neill's record (below).
4. Schmidt and Davis (1941) quote Ortenburger as giving 4'3" as the maximum. However, Ortenburger gives 106 cm (=3'6") as the maximum length. The KU specimen, from Pocatello, exceeds Ortenburger's maximum.
5. Based on an uncatalogued University of California, Santa Barbara, specimen from near Gorman, measured by me.
6. Martof et al. (1980) give 1194.
7. An AOR female, 344 SVL, measured NW of Mt. Abel; tail incomplete; TTL extrapolated from TL/TTL ratio for females in central California.
8. A DOR measured by me on 6 September 1982, north of Hollister.
9. A DOR measured by me 26 May 1978, NW of Lancaster.
10. A female from Guadalupe Reservoir measured live by me in 1976.
11. Stebbins gives 64" [=1626 mm] and 160 cm [=63"].

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